

POST & BID POSITION ANNOUNCEMENT
Bargaining Units 1, 4 and 11

1. Reference #: PARF 27-9-062 2. Position Number: 927-502-3381-XXX 3. Date of Posting: 02/12/2019

4. Classification: Materials and Research Engineering Associate 5. Salary Range: \$5608-\$7020.00

6. Pay Differentials That Apply To Position: May apply

7. Working Hours Of Position: 7:30 – 4:15

8. District/Division: Construction Section: Materials Geographic Location: Eureka
(If selected and the position requires a relocation, the Department will NOT provide relocation assistance.)

9. **Specific Qualifications and Requisite Skills Required:** (Attach a separate sheet if additional space is needed.)

A. Minimum Qualifications per the Classification Specifications (BU1 & 4 only) (Education and or Experience):
<http://www.dpa.ca.gov/textdocs/specs/s3/s3175.txt>

B. Technical & Professional Skills & Abilities:

The position requires knowledge in design, testing, and sampling of a wide variety of materials. Requires a thorough knowledge of materials and construction techniques. Requires knowledge of math through trigonometry. Requires a background in test methods used in highway construction and the technical aspects of materials testing procedures. Must have knowledge and understanding of the California Manual of Test Methods (AASHTO & ASTM may apply). The incumbent must be able to coordinate testing priorities, evaluate test results, and practice good communication skills in order to present results.

Requires the ability to analyze test data and develop valid conclusions. Coordinate laboratory activities making efficient use of available work force. Train others in current test procedures and equipment use. Adapt current test procedures to the evaluation of new products. Propose and develop new equipment, test procedures, and materials specifications. Ability to perform structural section and deflection study calculations.

Requires analysis of highway structural section problems by use of computer programs to determine solutions within acceptable parameters and make structural section recommendations to customers, including personnel in Caltrans-North Region Construction and Headquarters. Must be able to produce and analyze test results physical testing procedures and commercial plant operations, in order to evaluate test results, develop sound conclusions, produce written recommendations, and enforce requirements. Responsible for analyzing test results and producing recommendations in the form of written documentation, which may be circulated to various agencies, departments, and affected parties.

C. License and/or Certification Requirements: N/A

D. Physical Abilities to Perform Essential Functions:

Employees will be required to sit for long periods operating various types of laboratory equipment. Will be required to carry boxed/bagged sample material weighing up to 50 pounds into and throughout the Materials Laboratory. Incumbent must be able to work in noisy and dusty conditions. Must be able to develop and maintain cooperative working relationships. Incumbent will work as member of a team.

E. Other Departmental Requirements:

F. While working in the office, the incumbent will work in a climate-controlled office under artificial lighting. When working in the lab area or outdoors, employee may be exposed to dirt, dust fumes, noise, uneven surfaces, and/or extreme heat or cold Duty Statement/Description of Duties: See Duty Statement

10. Final Date and Time for Receiving Bid: **02/27/2019**

11. Where to Obtain Bid Form: <http://www.dot.ca.gov/hq/jobs/postandbid/postandbidmain.htm>

11. Submit Bid to:

Name: Maureen Biggs
Address: 703 B Street, Marysville, CA 95901
Telephone Number: (530) 741-5438
E-mail Address: maureen.biggs@dot.ca.gov

12. Window period employee must be available for contact (Unit 1&4 Only): From: _____ To: _____
(If selected, you must report in no less than 14 calendar days unless agreed otherwise by current and hiring supervisor and start date must be within 30 calendar days.)

13. Expected Reporting Date to Position (Unit 11 Only): Within thirty days of receiving notification of winning bid.
(If selected, you must report on the reporting date above unless agreed otherwise by current and hiring supervisor.)